Index of Claims

| Application No. | Applicant(s) |  |
|-----------------|--------------|--|
| 10/649,177      | GADOW ET AL. |  |
| Examin r        | Art Unit     |  |
| Sang Y Paik     | 3742         |  |

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| Cla          | aim      | l   | Date  |  | Cla  | im       |                               |         | Date  |  |  | [     | CI    | aim      |                     |                |        | Date   | e        |                     |                    |           |
|--------------|----------|---|---|--|--|----------|-------------------------------|---------|---|--|--|-------|-------|----------|---------------------|----------------|--------|--|----------|---------------------|--------------------|-----------|
|              |          | T   | 1 7 7 7   |  |  | _        |                               |         | T   |  |  | [     |       | -FT      |                     |                |        | 1  |          |                     |                    | - 1       |
| ख            | Original | [3]   |   |  | ल  | Original |                               |         |   |  |  |       | Final | Original |                     |                |        |  |          |                     |                    | 1         |
| Final        | <u> </u> |   |   |  | Final  | r g      |                               |         | 1 1   |  |  |       | Ë     | 'n       |                     |                |        |  |          |                     |                    | 1         |
| -            | ĮŌ.      | 52 6  |   |  | -  | O        |                               |         |   |  |  |       |       | 0        |                     |                |        | 1  |          |                     |                    | 1         |
|              | 1        |   | ++++  | 1-1-1  | $\vdash$   | 51       |                               | +       | ++  | +  | +  | ŀ     |       | 101      | Н                   | $\top$         | +      | ╁  |          |                     | $\dashv$           | ᅥ         |
| <u> </u>     | 2        | -   | <del>                                     </del>  | + +-   | $\vdash$   | 52       |                               | +       | <del>                                     </del>  | +  | 1  | ŀ     |       | 102      | Н                   | $\dashv$       | +      | $t^-$  |          |                     | $\dashv$           | ┪         |
|              | 3        | <del>                                     </del>  | + +   | <del>                                     </del> | <del>                                     </del> | 53       |                               |         | $\vdash$  | +  | 1-1  | ŀ     |       | 103      | $\vdash$            |                | +-     | ╁  | Н        | $\dashv$            |                    | ᅥ         |
|              |          | <del>        -</del>                              | <del>                                     </del>  | +++  | <del>}                                    </del> | 54       |                               |         | $\vdash$  | +-   |  | ŀ     |       | 104      |                     | +              | +-     | $\vdash$   | H        | $\dashv$            |                    | $\dashv$  |
| <del> </del> | 4        | <del>                                     </del>  | <del>╎</del> ╌┤┈┤┈┼┈                              |  | <del></del>                                      | 55       | +                             | +-      | $\vdash$  | +  | +  | ŀ     |       | 105      | $\vdash$            |                | +      | ╁  | H        | -                   | $\dashv$           | ٦         |
|              | 5        | <del>                                     </del>  | +   |  | $\vdash$   |          |                               | +-      | ╁┷┼   | ++   | +-1  | }     |       | 106      | ⊢                   | -              |        | $\vdash$   |          | $\dashv$            | +                  | -         |
| <u> </u>     | 6_       | <del>                                     </del>  | <del>                                     </del>  | <del>                                     </del> |  | 56       | ++                            | +       | <del>├ -                                   </del> | <del>- </del>                                    |  | }     |       | 107      | $\vdash$            | $\dashv$       | +      |  | Н        |                     |                    | -         |
| <u> </u>     | 7        | <del>                                     </del>  | <del>                                     </del>  | <del>                                     </del> | $\vdash$   | 57       | ++                            | +-      | ╁╌┼╴  | +-   | +  | ŀ     |       | 108      | ├─┼                 | -              | +      | ⊢  | -        | $\dashv$            | $\dashv$           | _         |
|              | 8        | <del>                                      </del> |   | <del>                                     </del> | $\vdash$   | 58       | $\dashv$                      | +       | $\vdash$  | +- +-  | <del>                                     </del> |       |       |          | $\vdash \vdash$     |                | ╁      | ⊢  | $\vdash$ |                     | -+                 | _         |
|              | 9        |   | <del>                                     </del>  | +++  | $\vdash$   | 59       |                               |         | $\vdash$  | +  |  |       |       | 109      | $\vdash$            |                | +      | ├  | $\vdash$ | -                   | +                  | -         |
|              | 10       |   |   |  | <u> </u>   | 60       | $\dashv$                      |         | <del>                                     </del>  | ++   | 1  |       |       | 110      | $\vdash \vdash$     | _              | +      | ⊢  | _        | -                   | -                  | _         |
| L            | 11       |   | $\bot$  | $oldsymbol{\sqcup}$                              | <b></b> .  | 61       | $\dashv$                      | _       | <b>├</b> -├-                                      | ┼┼-  | +  |       |       | 111      | $\vdash$            |                | +      | ⊢  | Щ        | $\vdash \downarrow$ | $\dashv$           | 4         |
|              | 12       |   |   |  | $\sqcup$   | 62       | $\dashv$                      |         | $\sqcup \!\!\!\! \perp$                           | +  | 4-4  |       |       | 112      | Щ                   | _              | +-     |  | Щ        | $\vdash \vdash$     | $\perp$            | _         |
|              | 13       |   |   | $\Box$   |  | 63       | $\perp \downarrow$            |         | $\sqcup \!\!\! \perp$                             | $\bot$   | $\square$  |       |       | 113      | Щ                   |                | 4      | $\vdash$   | Щ        | $\sqcup$            | $\dashv$           | _         |
|              | 14       |   | 1 1 1 -   | $\Box$   |  | 64       | $oldsymbol{\perp}$            | ᆚ       | $\perp \perp$                                     | $\perp \perp$                                    | $\perp$  |       |       | 114      | $\sqcup \downarrow$ | _              | 4      | <u> </u>   | Щ        | Ц                   | _                  | _         |
|              | 15       |   |   |  |  | 65       |                               |         |   |  |  |       |       | 115      | Ш                   |                | 丄      | L  |          |                     |                    |           |
|              | 16       | U I   |   |  |  | 66       |                               |         |   | $\perp \!\!\! \perp$                             |  |       |       | 116      | Ш                   |                |        | <u></u>  | Ш        | Ш                   |                    |           |
|              | 17       |   |   |  |  | 67       |                               |         |   |  |  |       |       | 117      |                     |                |        | $\perp$  | $\Box$   | $\Box$              |                    |           |
|              | 18       |   |   |  |  | 68       |                               |         |   |  |  |       |       | 118      |                     | $\perp \Gamma$ |        |  |          |                     | $oxed{\mathbb{I}}$ |           |
|              | 19       |   |   |  |  | 69       |                               |         |   |  |  |       |       | 119      |                     |                |        |  |          |                     | $\Box$             |           |
|              | 20       |   |   |  |  | 70       |                               |         |   |  | $\Box$   |       |       | 120      |                     |                |        | Г  |          |                     | Т                  |           |
|              | 21       |   | 1 1 1 1   |  |  | 71       | 11                            |         |   | T  |  | ı     |       | 121      | П                   |                | T      |  | П        |                     | $\neg$             | ٦         |
|              | 22       |   | <del>                                     </del>  |  | $\Box$   | 72       | -                             | 1       |   |  | $\Box$   | ii)   |       | 122      | $\sqcap$            | $\dashv$       | $\top$ | П  | П        | $\neg$              | $\neg$             | ╗         |
|              | 23       |   | <del>                                     </del>  |  |  | 73       |                               | 1       | $\Box$  |  | 1  | ij    |       | 123      |                     |                | $\top$ | Т  | П        | ١.                  | $\neg$             | ٦         |
|              | 24       | <del>                                     </del>  | <del>                                     </del>  | ++-  |  | 74       | +                             |         | $\vdash$  | +  | 1  |       |       | 124      | $\vdash$            | $\dashv$       | $\top$ |  | Н        | H                   | 十                  | ٦         |
|              | 25       | <del>                                     </del>  | <del>                                     </del>  | +++  | $\vdash$   | 75       | ++                            | +       | $\vdash$  | ++   | 11   |       |       | 125      | $\vdash$            | $\dashv$       | +      |  | Н        | $\dashv$            | $\top$             | $\exists$ |
|              | 26       | <del>                                      </del> | <del>                                     </del>  | <del>                                     </del> | $\vdash$   | 76       | ++                            | +       | +   | <del>                                     </del> | +  | H     |       | 126      | $\vdash$            | +              | +      | $\vdash$   | H        | $\dashv$            | _                  | $\dashv$  |
|              | 27       |   | <del>                                     </del>  | +-+-   | $\vdash$   | 77       | <del>- - </del>               | +       | $\vdash$  | ++   | +  | H     |       | 127      | $\vdash \vdash$     |                | +      | $\vdash$   | Н        | $\dashv$            | $\dashv$           | ۲         |
| <del> </del> | 28       |   | <del>                                     </del>  | 1-1-1  | $\vdash \vdash$                                  | 78       | ++                            |         | <del>                                     </del>  | ++   | +  | iii l |       | 128      | $\vdash \vdash$     | +              | +-     | +-   | $\vdash$ | $\dashv$            | +                  | ۲         |
| $\vdash$     | 29       | <del>                                     </del>  | <del>                                     </del>  | 1 -  | $\vdash$   | 79       | ++                            | +       | ++  | <del> </del>                                     | +  | ijŀ   |       | 129      | $\vdash$            |                | +-     | <del>                                     </del> | H        | -                   | +                  | $\dashv$  |
| $\vdash$     | 30       |   | + + + + -   | +++  | $\vdash$   | 80       | <del>- - </del> -             | +       | $\vdash\vdash$                                    | <del>                                     </del> | +  |       |       | 130      | $\vdash$            | +              | +-     | $\vdash$   | Н        | $\dashv$            | $\dashv$           | 닉         |
| <u> </u>     |          | <del>                                     </del>  | <del>                                     </del>  | <del>                                     </del> | $\vdash$   |          | +                             | +       | <del>                                     </del>  | +  | +  | ŀ     |       | 131      | $\vdash \vdash$     |                | +      | +-   | Н        | -                   | $\dashv$           | ᅱ         |
| <u> </u>     | 31       | $\vdash$  | ++++  | <del>                                     </del> | $\vdash$   | 81       | <del></del>                   | +       | <del>  -   -</del>                                | +  | +  |       |       | 131      | $\vdash$            |                | +-     | -  | Н        | -                   | +                  | 4         |
| <u> </u>     | 32       | $\vdash$  | +++   | <del>       </del>                               | <b>  </b>  | 82       | +                             | +       | $\vdash\vdash$                                    | <del>                                     </del> | +  |       |       | 132      | $\vdash \vdash$     | -              | +-     | 1  | Н        | $\dashv$            | -                  | $\dashv$  |
|              | 33       |   | +++   |  | <b>  </b>  | 83       | +                             |         |   | +  | 4-4  |       |       | 133      | $\vdash \downarrow$ | -              | +      | <u> </u>   | Н        | $\dashv$            | +                  | 4         |
| <u> </u>     | 34       |   | +++   | +  | <b>  </b>  | 84       | $\dashv$                      | -       |   | ++   | 1-1  |       |       | 134      | $\vdash \vdash$     | _              | +-     | -  | Н        | -                   | +                  | 4         |
| <u> </u>     | 35       | $\Box$  | +   |  |  | 85       | +                             |         | $\vdash \vdash$                                   |  | 1  |       |       | 135      | $\vdash$            | $\bot$         | +      | <u> </u>   | Щ        |                     | +                  | 4         |
| <u> </u>     | 36       | $\vdash$  | ++++  | $\square$  | <b> </b>   | 86       | $\dashv$                      | $\perp$ | $\vdash \vdash$                                   | +  | +  |       |       | 136      | Н                   | _              | +      | $\vdash$   | Ш        | $\dashv$            | $\dashv$           | 4         |
| <u> </u>     | 37       |   | <del>                                     </del>  | Ш  | $oxed{oxed}$                                     | 87       |                               | $\bot$  | $\sqcup \!\!\! \perp$                             | $\bot$   | Щ  |       |       | 137      | Ц                   |                | 4      | $\vdash$   | Ш        | $\sqcup$            | 4                  | _         |
|              | 38       | $\sqcup \bot \bot$                                | <del>                                     </del>  | Ш  | igsqcut  | 88       |                               |         | Щ.  |  | Щ  |       |       | 138      | $\sqcup \downarrow$ | _ _            | 4      | $oxed{oxed}$                                     | Ш        | $\Box$              | $\perp$            | ┙         |
|              | 39       |   |   |  |  | 89       | $\perp \downarrow \downarrow$ | $\perp$ | <u> </u>  |  | $\perp \perp$                                    |       |       | 139      | Ш                   |                |        |  | Ш        |                     |                    |           |
|              | 40       |   |   |  |  | 90       |                               |         |   |  |  |       |       | 140      |                     |                |        |  |          |                     |                    |           |
|              | 41       |   |   |  |  | 91       |                               |         | $\coprod \Box$                                    | $\perp \perp$                                    |  | [     |       | 141      |                     |                |        |  |          |                     | $\Box$             |           |
|              | 42       |   |   |  |  | 92       |                               |         | $\Box \Box$                                       |  |  |       |       | 142      |                     |                |        |  |          |                     |                    |           |
|              | 43       |   |   |  |  | 93       | $\Box$                        |         |   |  |  |       |       | 143      |                     |                | T      |  | П        | $\Box$              | $\top$             | ٦         |
|              | 44       |   |   |  |  | 94       |                               |         |   |  | $\Box$   |       |       | 144      |                     |                | Ŧ      |  |          | $\Box$              |                    | П         |
|              | 45       |   | 1 1 1 1   |  |  | 95       | $\neg \neg$                   |         |   | 1 1  |  |       |       | 145      | $\Box$              |                | 7      | Π  | П        | $\dashv$            | $\dashv$           | ٦         |
|              | 46       |   | <del>                                     </del>  |  | $\vdash$   | 96       | 11                            |         | - -   | 1-1-   |  | ŀ     |       | 146      | $\vdash$            | $\neg \vdash$  | $\top$ | П  | М        | $\dashv$            | $\top$             | _         |
|              | 47       |   | <del>                                     </del>  |  | $\vdash$   | 97       | 1 1                           | $\top$  | $\vdash$  |  | 1 1  | -     |       | 147      | $\vdash$            | 十              | $\top$ |  | П        | ヿ                   | $\dashv$           | ٦         |
| $\vdash$     | 48       |   | <del>                                      </del> | <del>                                     </del> | $\vdash$   | 98       | ++                            | $\top$  | $\vdash$  | <del>                                     </del> | +  | ıŀ    |       | 148      |                     | $\dashv$       | +-     | $\vdash$   | Н        | $\dashv$            | $\dashv$           | ┪         |
| $\vdash$     | 49       |   | <del>    </del>                                   | <del>                                     </del> | $\vdash$   | 99       |                               | $\top$  | $\vdash$  | + +  | H  | 1     |       | 149      | $\vdash$            | $\dashv$       | +-     | Н  | Н        | $\dashv$            | $\dashv$           | ┪         |
| $\vdash$     | 50       | $\vdash$  | <del>  - -</del>  -                               | ++-  | $\vdash$   | 100      |                               |         | <del>    -</del>                                  | ++-  | +  | ⊪     |       | 150      | $\vdash \vdash$     | $\dashv$       | +      | $\vdash$   | H        | $\dashv$            | +                  | ᅥ         |
|              | JU       |   |   | اننناك   | ш  | 100      |                               |         |   | سلسا   | ::لـــــــــــــــــــــــــــــــــــ           | :::[  |       | 130      | $\perp$             |                |        | ــــــــــــــــــــــــــــــــــــــ           | ш        |                     |                    | 二         |